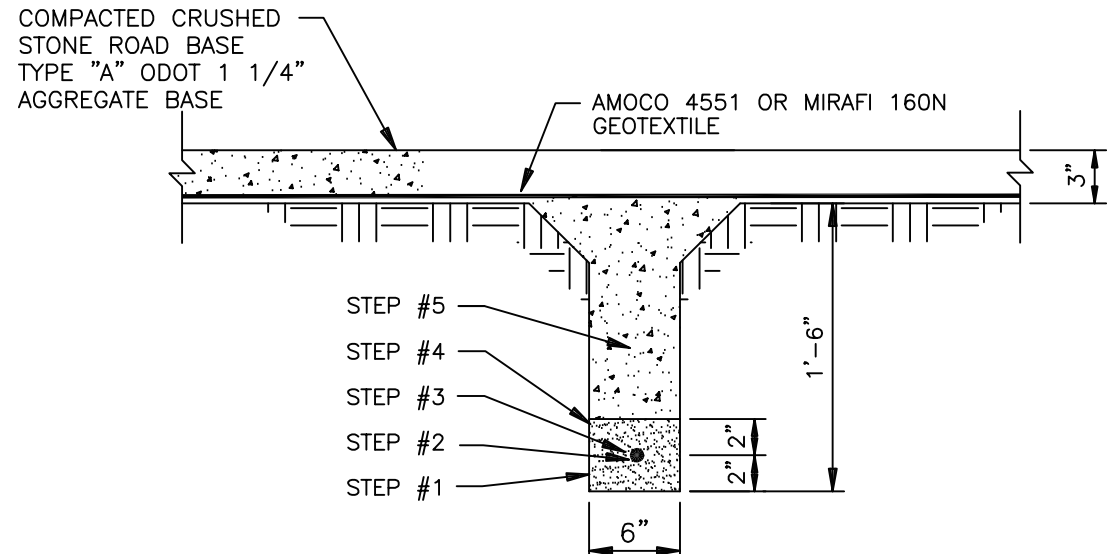
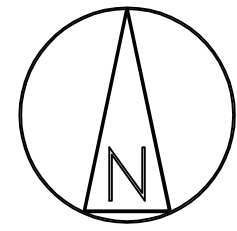
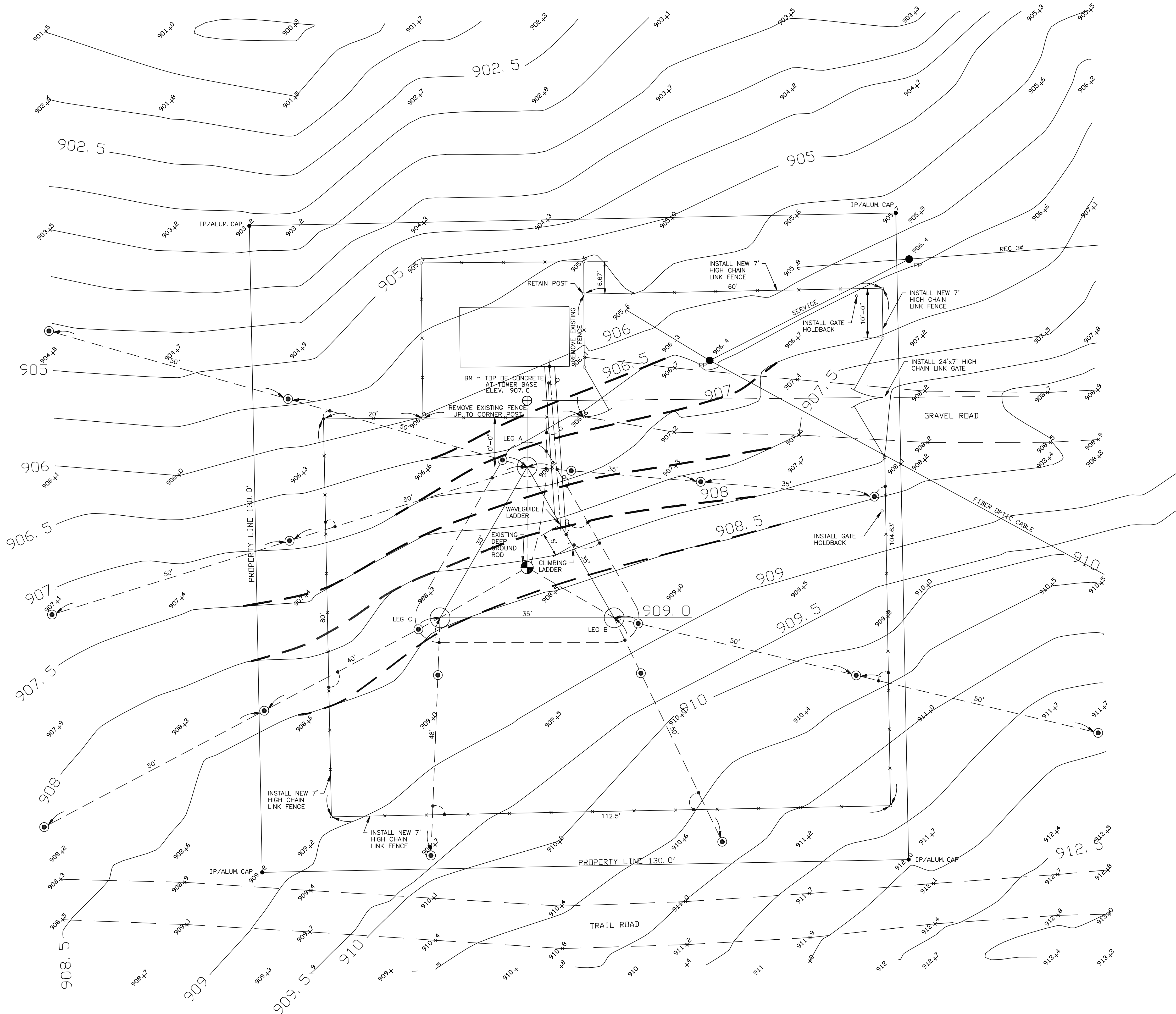
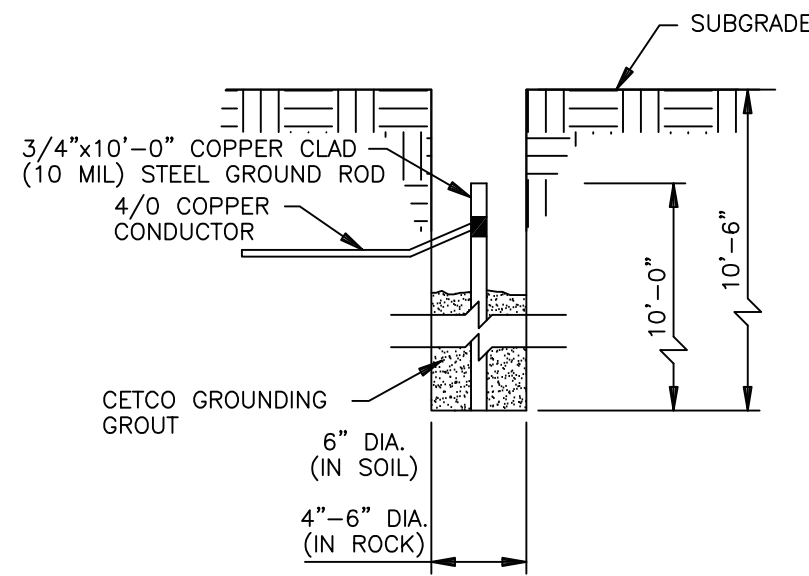


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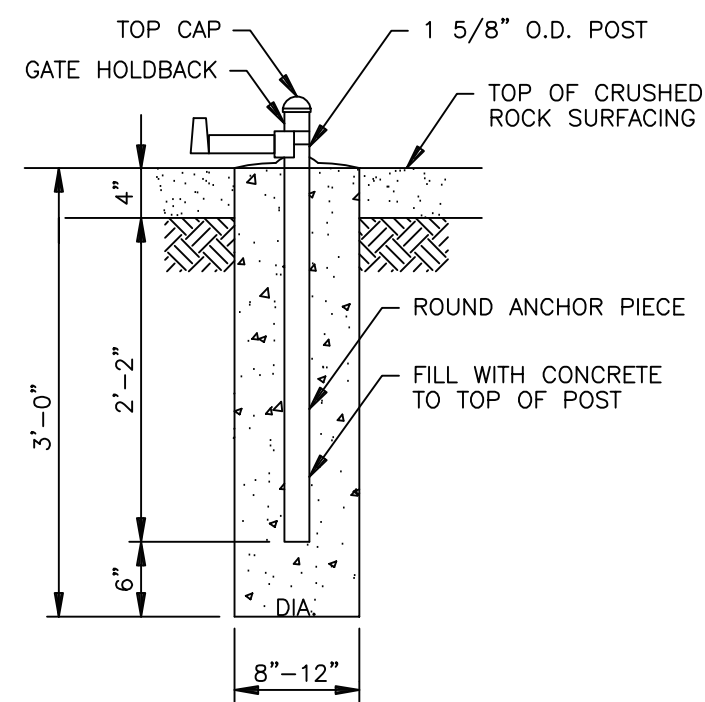


- STEP #1: PLACE 2" LAYER OF CETCO "PURE GOLD" MEDIUM BENTONITE CHIPS (OR EQUAL) IN BOTTOM OF TRENCH.
- STEP #2: INSTALL GROUND GRID CONDUCTOR.
- STEP #3: PLACE CETCO GROUNDING GROUT TO COVER CONDUCTOR TO 1" DEPTH.
- STEP #4: PLACE CETCO "PURE GOLD" MEDIUM BENTONITE CHIPS (OR EQUAL) TO DEPTH OF 4" ABOVE BOTTOM OF TRENCH.
- STEP #5: BACKFILL TO TOP OF TRENCH W/ 1 1/4" OR 1 1/2" CLEAN CRUSHED ROCK.

A GROUND GRID CONDUCTOR INSTALLATION DETAIL
SCALE: N.T.S.



B GROUND ROD INSTALLATION DETAIL
N.T.S.

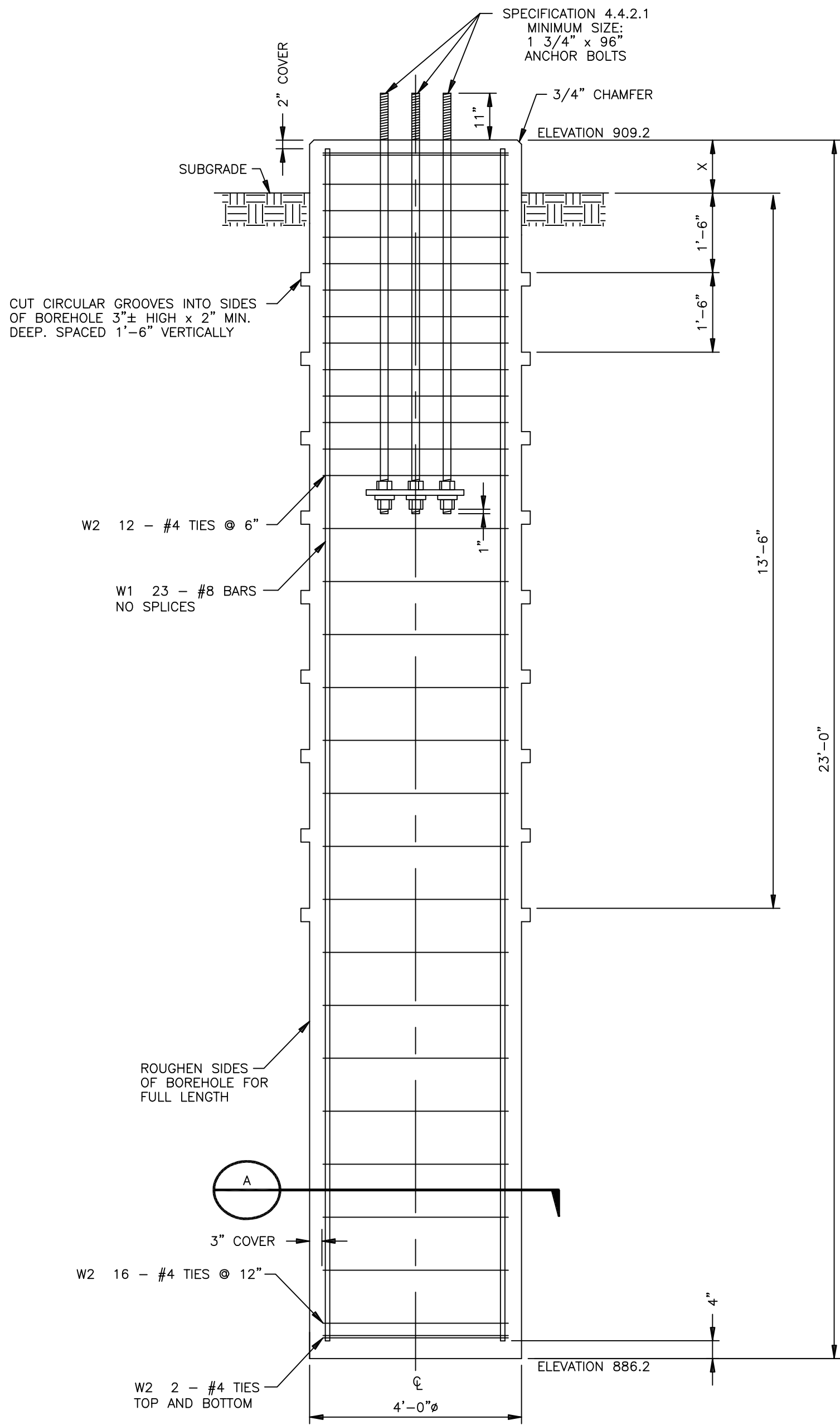


C FOOTING FOR GATE HOLDBACK
N.T.S.

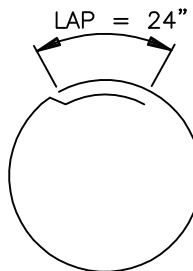
- LEGEND:**
- DESIGN CONTOUR ADJUSTMENTS
 - 4/0 COPPER GROUND GRID CONDUCTOR
 - NEW 3/4"x10" COPPER-CLAD (10 MIL) GROUND ROD
 - EXOTHERMICALLY WELDED CONNECTION (EXCEPTIONS: CONNECTIONS TO BOTTOM OF CLIMBING AND WAVEGUIDE LADDERS MAY BE BY GROUNDING LUGS, AND CONNECTIONS TO FENCE POSTS MAY BE BY GROUND CLAMPS)

Reference Old drawing number:

				UNITED STATES DEPARTMENT OF ENERGY SOUTHWESTERN POWER ADMINISTRATION TULSA, OKLAHOMA			
				WELEETKA RADIO STATION SITE AND GROUNDING PLAN NEW TOWER AND SITE IMPROVEMENTS			
				SCALE	1" = 10'-0"	DRAWING NUMBER	
				DRAWN	DK	RS19-C8004	
				CHECKED	HM		
				SUBMITTED	HM		
				APPROVED	LH		
REV	DESCRIPTION	DRAWN	CHKD	FILE NAME	C8004	SHEET NUMBER	1 OF 1

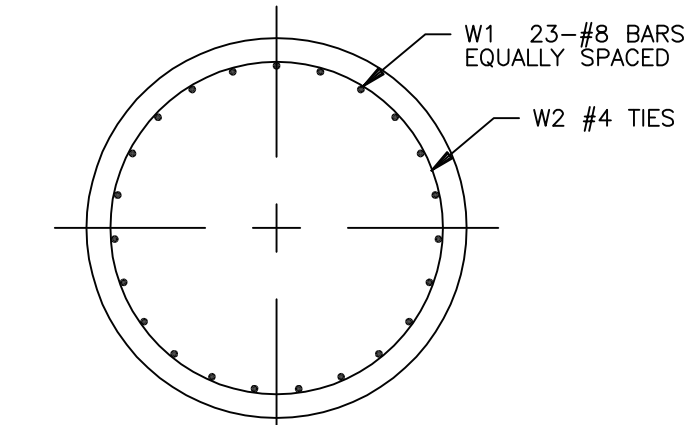


FOUNDATION "W"
SCALE: 1/2"=1'-0"



(T3)

TYPICAL BEND



SECTION "A"
SCALE: 1/2"=1'-0"

FOUNDATION		REINFORCING STEEL FOR EACH FOUNDATION				
		TOTAL NO. OF FOUNDATIONS	QTY	SIZE	LENGTH	MARK
W	3		23	8	22'-6"	W1
			32	4		W2

ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60.

STRUCTURE SITE GRADING SCHEDULE							
PIER	TOP OF PIER ELEVATION	LEG "A"		LEG "B"		LEG "C"	
		CUT/FILL	"X"	CUT/FILL	"X"	CUT/FILL	"X"
W	909.2	F 0.5'	2.0'	F 0.0'	0.4'	F 0.0'	0.8'

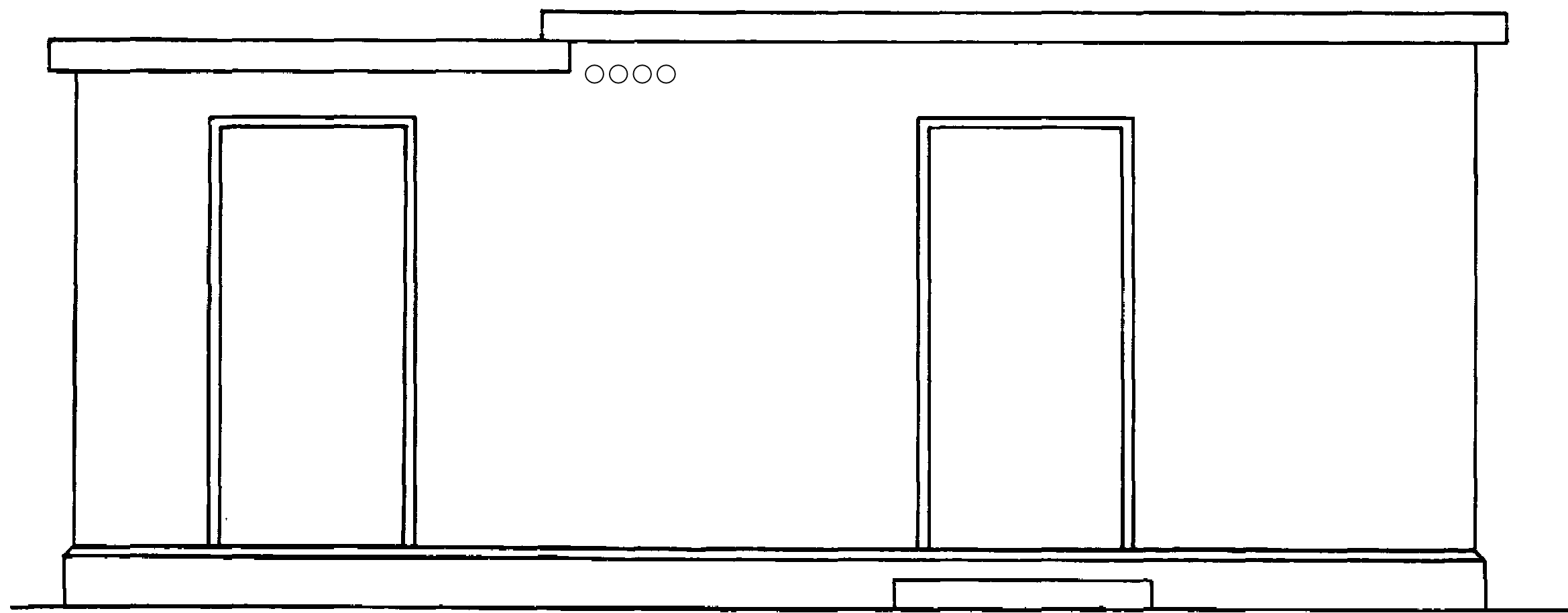
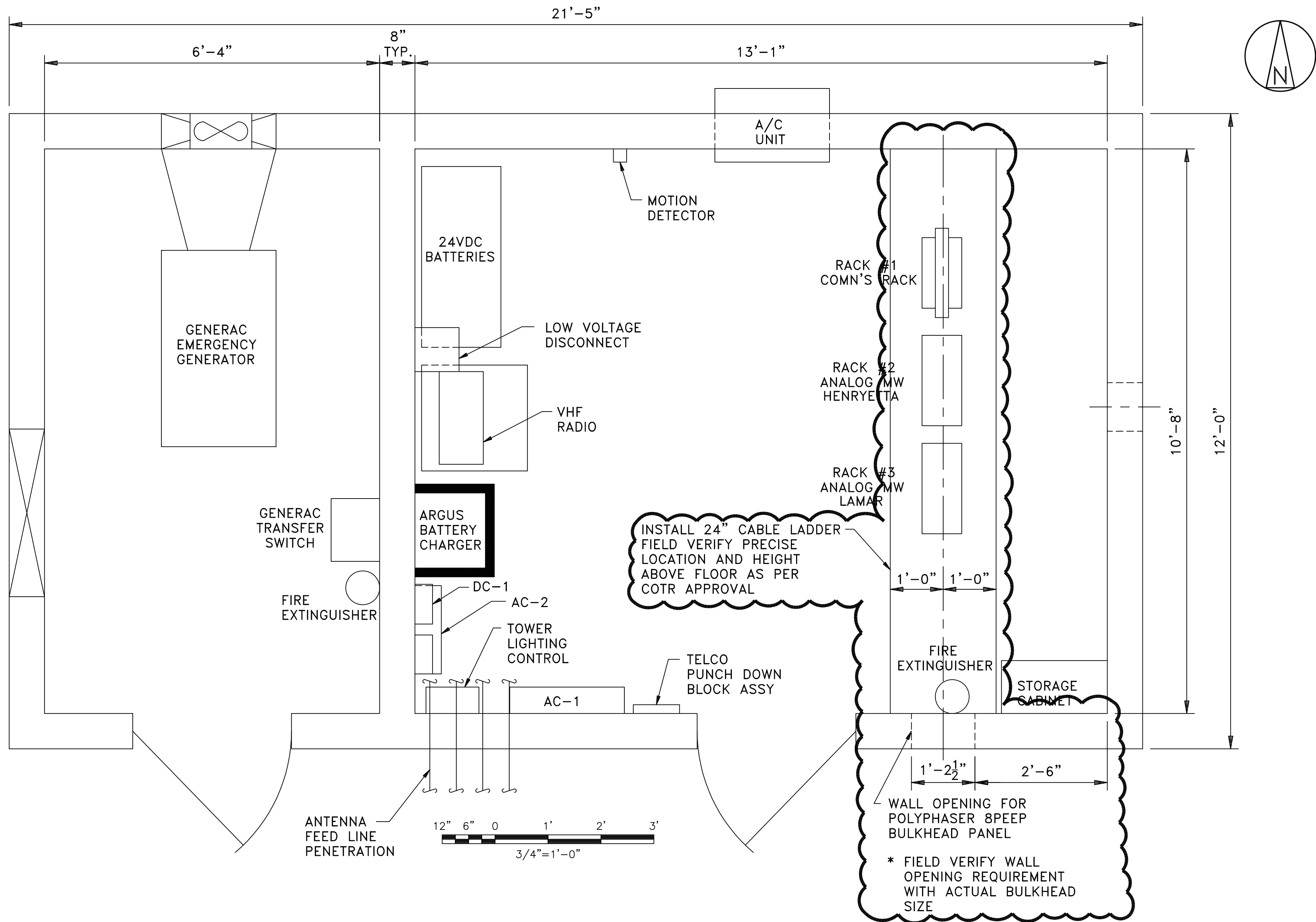
NOTES:

- OUTSIDE-TO-OUTSIDE DIAMETER OF NO. 4 CIRCULAR TIES SHALL BE 42".
- DRILLED PIER CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF THE PROJECT SPECIFICATIONS.
- GEOTECHNICAL REPORT AVAILABLE FROM COTR.

Reference Old drawing number:

				UNITED STATES DEPARTMENT OF ENERGY SOUTHWESTERN POWER ADMINISTRATION TULSA, OKLAHOMA			
				WELEETKA RADIO STATION MICROWAVE TOWER FOUNDATION DRILLED PIER DETAILS			
				SCALE	NOTED	DRAWING NUMBER	
				DRAWN	DK	RS19-C8301	
				CHECKED	HM		
				SUBMITTED	HM		
REV	DESCRIPTION	DRAWN	CHKD	APPROVED	LH	FILE NAME	SHEET NUMBER
						C8301	1 OF 1

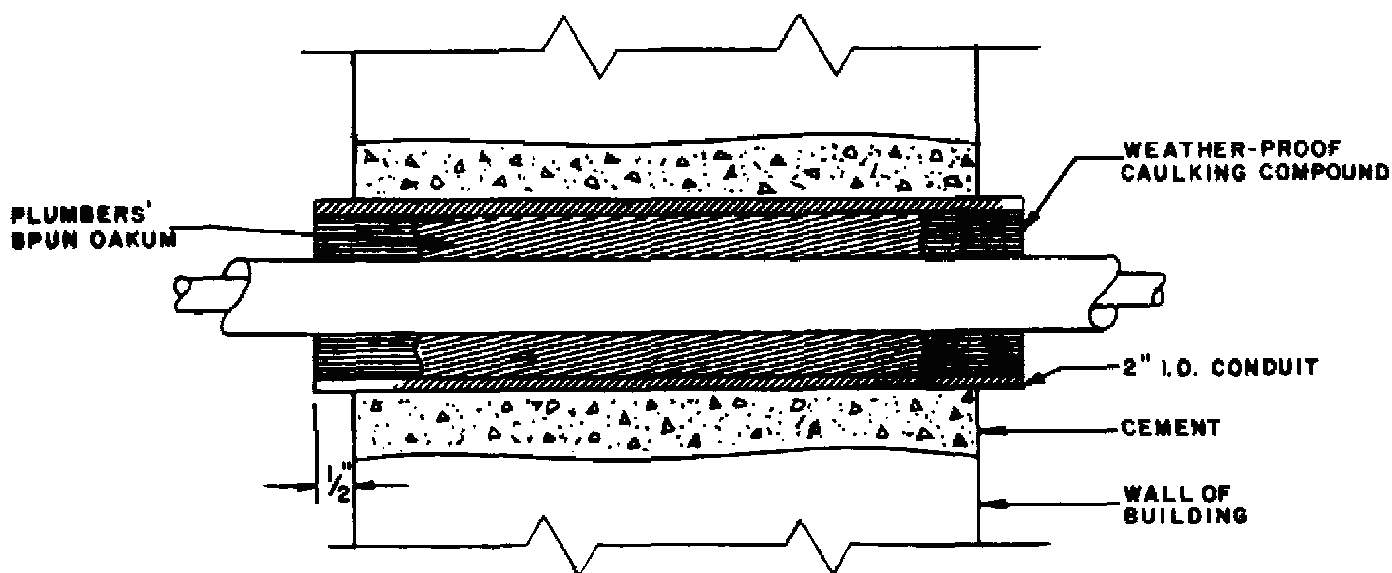
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SOUTH ELEVATION
NOT TO SCALE

- NOTES:
1. SEE DWG RS19-C8002 FOR SITE PLAN.
 2. SEE DWG RS19-C8501 FOR RADIO ROOM WALL ELEVATIONS.
 3. SEE DWG RS19-C8502 FOR GENERATOR ROOM WALL ELEVATIONS.
 4. SEE DWG RS19-E2001 FOR PANEL SCHEDULES & ONE LINE
 5. SEE DWG RS19-E3200 FOR GROUNDING PLAN

BILL OF MATERIALS		
ITEM	REQ	DESCRIPTION
1	1	CIRCUIT BREAKER PANELBOARD 120/240 VAC 10 3 WIRE
2	1	ONAN GENERATOR CONTROL PANEL
3	1	JUNCTION BOX 9'-12'-4" DEEP WITH COVER
4	3	HANDY BOX COVER APPLETON #2510
5	1	RELIABLE TERMINAL BOARD
6	3	HANDY BOX COVER APPLETON #2510
7	1	AMPERES METER
8	1	4" SQUARE OUTLET BOX APPLETON #72171 1/2
9	1	SQUARE OUTLET BOX COVER #8487
10	1	WALL RECEPTACLE BREAKER
11	1	C-H CONTROL CIRCUIT BREAKER
12	3	RECEPTACLE 3 WIRE GROUNDING 15 AMPERE 125VAC
13	1	MAIN CIRCUIT BREAKER
14	1	SOLAR TRANSFORMER
15	80ft	THIN WALL CONDUIT, GALVANIZED, 1/2"
16	50ft	THIN WALL CONDUIT, GALVANIZED, 1/2"
17	4	THIN WALL CONDUIT, GALVANIZED, 1/2", 90° BEND
18	1	8' BASEBOARD HEATER
19	1	FIRE EXTINGUISHER
20	4	EMT CONECTOR 1/2"
21	1	METAL UTILITY CABINET
22	1	AIRCONDITIOR
23	2	CROUSE HINDS CONDULET T57-MT
24	1	CROUSE HINDS CONDULET T17-MT
25	6	THIN WALL CONDUIT CLAMPS 1/2" EMT
26	3	THIN WALL CONDUIT CLAMPS 1/2" EMT
27	1	ONAN AUTO TRANSFER SWITCH
28	4	24 VOLT BATTERIES
29	60ft	#6 TW STRANDED COPPER WIRE
30	1	SPA BR 105 BASE RADIO
31	3ft	CONDUIT, FLEXIBLE 1/2"
32	700'	#12 TW SOLID COPPER WIRE
33	1	SPA BR 109 BASE RADIO
34	1	400 MHZ FARRINON RADIO
35	1	FAN
36	1	5K GENERATOR
37	1	SPA BR 105 BASE RADIO
38	2	FLEXIBLE CONDUIT CONNECTOR 1/2"



TYPICAL COAXIAL CABLE
THROUGH BUILDING WALL
DETAIL A
NO SCALE

Reference Old drawing number: EE-0-RS19-0011

UNITED STATES DEPARTMENT OF ENERGY SOUTHWESTERN POWER ADMINISTRATION TULSA, OKLAHOMA				WELEETKA RADIO STATION RADIO BUILDING EQUIPMENT PLAN			
5	ADDITION OF CABLE LADDER AND 8-PORT BULKHEAD PANEL	DK 02-06	HM 02-06	DRAWING NUMBER RS19-C8500			
4	AS-BUILT	DIK 10-04	SWC 10-04				
3	FIELD AS-BUILT REVISIONS	GBJ 12-02	CMP 12-02	SCALE	NOTED	SHEET NUMBER 1 OF 1	
2	ADDED DETAIL "A" FROM DELETED DWG EE-0-RS19-15	RLD 04-87	JJ 04-87	CHECKED	CMP		
REV	DESCRIPTION	DRAWN	CHKD	APPROVED	CMP	C8500	